

State of Louisiana  
Department of Transportation and Development (DOTD)  
Materials and Testing Section Qualification Procedure  
for  
Qualified Products List 38

**PLASTIC DRUMS FOR TRAFFIC WARNING OR CHANNELIZATION**

**MATERIAL SPECIFICATION REFERENCE:**

Standard Specifications 1015.05(f) and DOTD Standard Plans HS-01 (copies attached)

**PRELIMINARY REQUIREMENTS:**

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" (copy attached) to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets with the "Qualified Product Evaluation Form" to provide all pertinent information relative to the product to be evaluated; including, but not limited to, manufacturer's specifications, typical analysis and a Materials Safety Data Sheet (MSDS). This information will be reviewed by the Department to determine conformance to DOTD specifications and the Louisiana MUTCD.

AASHTO  
National Transportation Products Evaluation Program (NTPEP)  
Product Evaluation Form

The manufacturer shall also submit a standard "AASHTO National Transportation Products Evaluation Program (NTPEP) Product Evaluation Form" to the AASHTO NTPEP Coordinator. Copies are available from the NTPEP Coordinator (address listed below). The manufacturer will be contacted by the Coordinator regarding the submission of samples.

**TEST REQUIREMENTS:**

AASHTO NTPEP

Results obtained by the AASHTO NTPEP will be used in the evaluation of this material. Drum characteristics checked will include the break away feature, flexibility, stability, the ability of securing ballast, and the effects of impact. Of the drums included in the evaluation, a minimum of fifty percent are required to provide adequate performance upon completion of the field testing. Rubber bases (excluding recycled rubber tire walls) shall be a minimum of 18 kg (40 lbs).

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The contact person affiliated with AASHTO NTPEP is:

Coordinator                      Ph: 202/624-3695      Fax: 202/624-5806  
AASHTO National Transportation Products Evaluation Program  
444 N. Capitol St. N.W.  
Suite 249  
Washington, D.C. 20001

For detailed information, refer to the Operational Procedures of the AASHTO NTPEP. Copies are available from the NTPEP Coordinator.

#### Evaluation Time

A final report will be received after the evaluation period. Exact deadline dates and details for submittals should be obtained from the NTPEP Coordinator.

#### **GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

#### **PROJECT ACCEPTANCE REQUIREMENTS:**

Qualification of a product is not blanket approval for its use.

Any product may be used without sampling and pretesting provided that prior to installation, the contractor shall furnish the engineer with a certificate stating that the particular product to be used is on the Qualified Products List and indicating the manufacturer, trade name, model number (if any) and type of plastic. However, sampling and testing before use may be required whenever a product is questionable for any reason.

The type of plastic shall be heat stamped on the drum as follows:

**LDPE** Indicating low density polyethylene

**HDPE** Indicating high density polyethylene

#### **DISQUALIFICATION:**

Any product may be removed from the Qualified Products List for non-conformance with specifications or performance requirements. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

#### **REQUALIFICATION:**

A product which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

**DOTD MATERIALS AND TESTING SECTION COORDINATOR**

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Approved 8-01-02

N. DOUG HOOD, P. E.  
DOTD MATERIALS ENGINEER ADMINISTRATOR